

Title (en)
LOAD-HANDLING VEHICLE WITH AN INTEGRATED RECOVERY DEVICE

Publication
EP 0221257 B1 19900131 (DE)

Application
EP 86110855 A 19860806

Priority
CH 460385 A 19851025

Abstract (en)
[origin: US4759421A] The industrial truck or vehicle comprises a support body or member supporting an elevatable platform. The support body is supported and guided on both ends by a respective transverse pivot joint of a respective driving module or unit. The width of the support body and the platform is narrower than the width of the two driving units. This narrowing or reduction in width of the industrial vehicle ensures that the complete platform region on both longitudinal sides of the industrial vehicle is manually accessible despite providing good lateral vehicle stability. Furthermore, the torsional elasticity of the support body is increased such that the support body in combination with the transverse pivot joints provide sufficient travel surface adhesion or floor traction of all drive wheels and support or free-running wheels even over irregular or uneven travel surfaces. The industrial vehicle possesses an emergency recovery device so that it can be temporarily driven without auxiliary devices if up to two wheels become blocked. For this purpose the driving units are tilted individually or in combination about the still functional wheels by means of a respective drive spindle until the blocked wheels are free of the floor or ground surface and the industrial vehicle is rendered mobile. The reduction in width of the industrial vehicle and the autonomous capability of recovering from emergencies permits this industrial vehicle to be utilized in flexibly-organized assembly plants, especially in the automotive industry.

IPC 1-7
B66F 9/075

IPC 8 full level
B61B 13/00 (2006.01); **B66F 9/075** (2006.01); **G05D 1/02** (2006.01)

CPC (source: EP US)
B66F 9/063 (2013.01 - EP US); **B66F 9/07504** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0221257 A1 19870513; EP 0221257 B1 19900131; AT E49948 T1 19900215; CA 1273299 A 19900828; DE 3668606 D1 19900308; ES 2002499 A6 19880816; FI 85132 B 19911129; FI 85132 C 19920310; FI 864092 A0 19861010; FI 864092 A 19870426; JP S62103255 A 19870513; US 4759421 A 19880726

DOCDB simple family (application)
EP 86110855 A 19860806; AT 86110855 T 19860806; CA 520536 A 19861015; DE 3668606 T 19860806; ES 8602237 A 19860926; FI 864092 A 19861010; JP 25350486 A 19861024; US 91964486 A 19861016